

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

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**NOTE:** Date & initial all entries

**Chantal Lavoie**

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**From:** Kevin Barton [kbarton@dartaero.com]  
**Sent:** June 17, 2009 4:19 PM  
**To:** 'Chantal Lavoie'  
**Cc:** David Shepherd; 'Harvey Siemens'  
**Subject:** RE: MISSING

Chantal,

Those switches will not be required by Eagle for the Bell 412, they are used on the Bell 205 Installation only. I had to add that part for compatibility on the Bell 205.

You can ship the kits without that part.

Best Regards,

**Kevin Barton**

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**From:** Harvey Siemens [mailto:hsiemens@dartaero.com]  
**Sent:** June 17, 2009 2:08 PM  
**To:** 'Kevin Barton'  
**Cc:** 'Chantal Lavoie'  
**Subject:** FW: MISSING

Kevin

Can you let Chantal know how many of these you want? Thanks

Regards,

*Harvey Siemens*

Mechanical Designer  
DART Aerospace Ltd.

P: 403-717-0328  
F: 403-717-1288  
E: [hsiemens@dartaero.com](mailto:hsiemens@dartaero.com)  
W: [www.dartaero.com](http://www.dartaero.com)

M: 1060 McTavish Road NE, Calgary, Alberta, T2E 5G9

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**From:** Chantal Lavoie [mailto:clavoie@dartaero.com]  
**Sent:** Wednesday, June 17, 2009 1:18 PM  
**To:** 'Harvey Siemens'  
**Subject:** MISSING

18/06/2009

**L Lacelle**

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**From:** David Shepherd [dshepherd@dartaero.com]  
**Sent:** June 17, 2009 2:59 PM  
**To:** 'L Lacelle'  
**Cc:** 'Mike Petsche'; 'Bill Beckett'; 'Susanne Sheldon'; 'Kevin Barton'  
**Subject:** FW: Shipping JAR OPS kits

Linda,

I have reviewed all drawings for the JAR Ops kits and the changes that affect the -047/-049 kits were minor. We will try to release the drawings in the next couple of days once I have had a chance to sign them off. Please use this email as authorization to lift the positive recall and proceed with the shipment of the 2 x -047 kits ASAP.  
Eagle needs them right away.  
We also need a third -047 kit ASAP as there are now 4 x Hawker aircraft at Eagle.  
Aircraft # 1 already has the -047 kit installed.  
Do not ship any -049 kits until further notice.

David

---

**From:** Mike Petsche [mailto:mpetsche@dartaero.com]  
**Sent:** Wednesday, June 17, 2009 6:45 AM  
**To:** 'David Shepherd'; 'Kevin Barton'  
**Cc:** 'Bill Beckett'; Linda Lacelle; 'Susanne Sheldon'  
**Subject:** Shipping JAR OPS kits

David,

I'm being asked to sign off the positive recalls on the kits to ship out to you. Per "the rules" we ain't supposed to be un-positive recalling anything until the drawings are all approved.....which they ain't.

I realize that this kit (Pitot heat monitor), is a fairly low risk thing, so I'm not overly concerned about shipping it right away.

However I'd rather not hang myself out to dry, come audit time.

For the greater good, would it be beneficial for those kits to ship today, or can they wait until the drawings are sorted out?

Mike Petsche  
Design Manager  
DART Aerospace  
phone: 613-632-5200  
mobile: 514-833-1657  
skype: mike.petsche

No virus found in this incoming message.  
Checked by AVG - [www.avg.com](http://www.avg.com)  
Version: 8.5.339 / Virus Database: 270.12.76/2183 - Release Date: 06/17/09 05:53:00

18/06/2009

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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**NOTE:** Date & initial all entries

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: PITOT HEAT MONITORING KIT

Job Number: 48535

Part Number: D412791047

Job Number:



Seq. #:

Machine Or Operation:

Description :

20.0

NAS1149D0363J

AN960010 Washer

Q-1017 4.2-11



Comment: Qty.: 3.0000 Each(s)/Unit Total: 3.0000 Each(s)

Washer

batch: M111279

21.0

NAS1149DN632J

AN960010

Washer

PM 051017 4.2-11



Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s)

Washer

batch: M6085

22.0

NAS1149DN832J

Washer



Comment: Qty.: 8.0000 Each(s)/Unit Total: 8.0000 Each(s)

Washer

batch: M111193

23.0

RN65D3010F

Resistor, 300 Ohms



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

Resistor, 300 Ohms

batch: M112037

24.0

QC4

INSPECT 100% KITS FOR COMPLETENESS



Comment: INSPECT 100% KITS FOR COMPLETENESS

25.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and pack for shipping as per PPP D412-791-047

Location:

PPP Rev:

Draft

9/6/10

SC

26.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



POSITIVE RECALL

EFFECTIVE 9/6/10

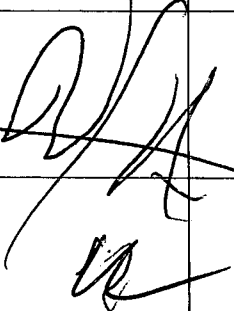
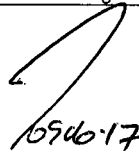
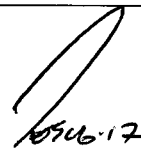
AUTH

RELEASED

DATE

9/6/10

09/09/10

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
6906-17	15.1	<del>           Pick Qty 1 MS24524-31 switch DPDT            B _____         </del>						

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
	15							

NOTE: Date & initial all entries

Date: Friday, 12/06/2009 9:54:33 AM  
User: Julie Dawson

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: PITOT HEAT MONITORING KIT

Job Number: 48535

Part Number: D412791047

Job Number:



Seq. #:	Machine Or Operation:	Description :
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13.0	MS21042L06	Nut
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Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)  
Nut  
batch: M1115 48

14.0	MS21042L08	Nut
------	------------	-----



Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s)  
Nut  
batch: M1118 81

15.0	MS24524 23	Switch, DPDT
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Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)  
Switch, DPDT  
batch: M112014

16.0	MS24693S26	Screw
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Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)  
Screw  
batch: M112015

17.0	MS25036102	Terminal Lug, #6
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Comment: Qty.: 15.0000 Each(s)/Unit Total : 15.0000 Each(s)  
Terminal Lug, #6  
batch: M112015

18.0	MS270390814	Screw
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Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s)  
Screw  
batch: M112015

19.0	MS35207260	Screw
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Comment: Qty.: 3.0000 Each(s)/Unit Total : 3.0000 Each(s)  
Screw  
batch: M150



**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: PITOT HEAT MONITORING KIT

Job Number: 48535

Part Number: D412791047

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

D38971

Angle



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Angle

batch: B48303

B48301

7.0

LED5017BGE0705

Annunciator (pilot heat)



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Annunciator (pilot heat)

batch: M11 2020

8.0

M1288345 01

Base Relay



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Base Relay

batch: M112014

per parts list (removed)

1

9.0

M8171416 3

Mounting track Terminal Junction



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Mounting track Terminal Junction

batch: M112014

10.0

M817142DC1

Module Terminal Junction



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Module Terminal Junction

batch: M112014

12

11.0

M817142 DD2

Module Terminal Junction



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Module Terminal Junction

batch: M112014

12.0

M835362 024

Relay



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Relay

batch: M112014

LC 9/8/10 (1)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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**NOTE:** Date & initial all entries

Date: Friday, 12/06/2009 9:54:33 AM  
 User: Julie Dawson

## Process Sheet

<b>Customer</b> : CU-DAR001 Dart Helicopters Services	<b>Drawing Name</b> : PITOT HEAT MONITORING KIT
<b>Job Number</b> : 48535	
<b>Estimate Number</b> : 14041	
<b>P.O. Number</b> :	<b>Part Number</b> : D412791047
<b>This Issue</b> : 12/06/2009 <b>S.O. No.</b> :	<b>Drawing Number</b> : N/A
<b>Prsht Rev.</b> : NC	<b>Project Number</b> : N/A
<b>First Issue</b> : / / <b>Type</b> : SMALL /MED FAB	<b>Drawing Revision</b> : A
<b>Previous Run</b> : 48531	<b>Material</b> :
<b>Written By</b> :	<b>Due Date</b> : 19/06/2009 <b>Qty:</b> 1 <b>Um:</b> Each
<b>Checked &amp; Approved By</b> : <u>JUDOR.06.12</u>	
<b>Comment</b> : est Rev A new issue 09.06.11 EC verified by:DD	

## Additional Product

PRELIMINARY ISSUE

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	DC	DOCUMENT CONTROL
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N/A



**Comment:** Photocopy bluefile & type labels per PPP 412-791-047 CHG001

2.0	18200	Connector, Annunciator
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**Comment:** Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)  
 Connector, Annunciator  
 batch: M/12020

3.0	1N4007	Diode
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**Comment:** Qty.: 3.0000 Each(s)/Unit Total : 3.0000 Each(s)  
 Diode  
 batch: M/11432

4.0	80 004 2 6	Insert
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**Comment:** Qty.: 3.0000 Each(s)/Unit Total : 3.0000 Each(s)  
 Insert  
 batch: M/114506

5.0	D38961	Relay - Current Inductor
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**Comment:** Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)  
 Relay - Current Inductor  
 batch: M/8470